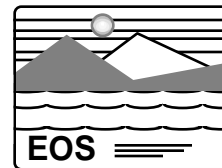




# EOS AM-1 Mission Operations Review

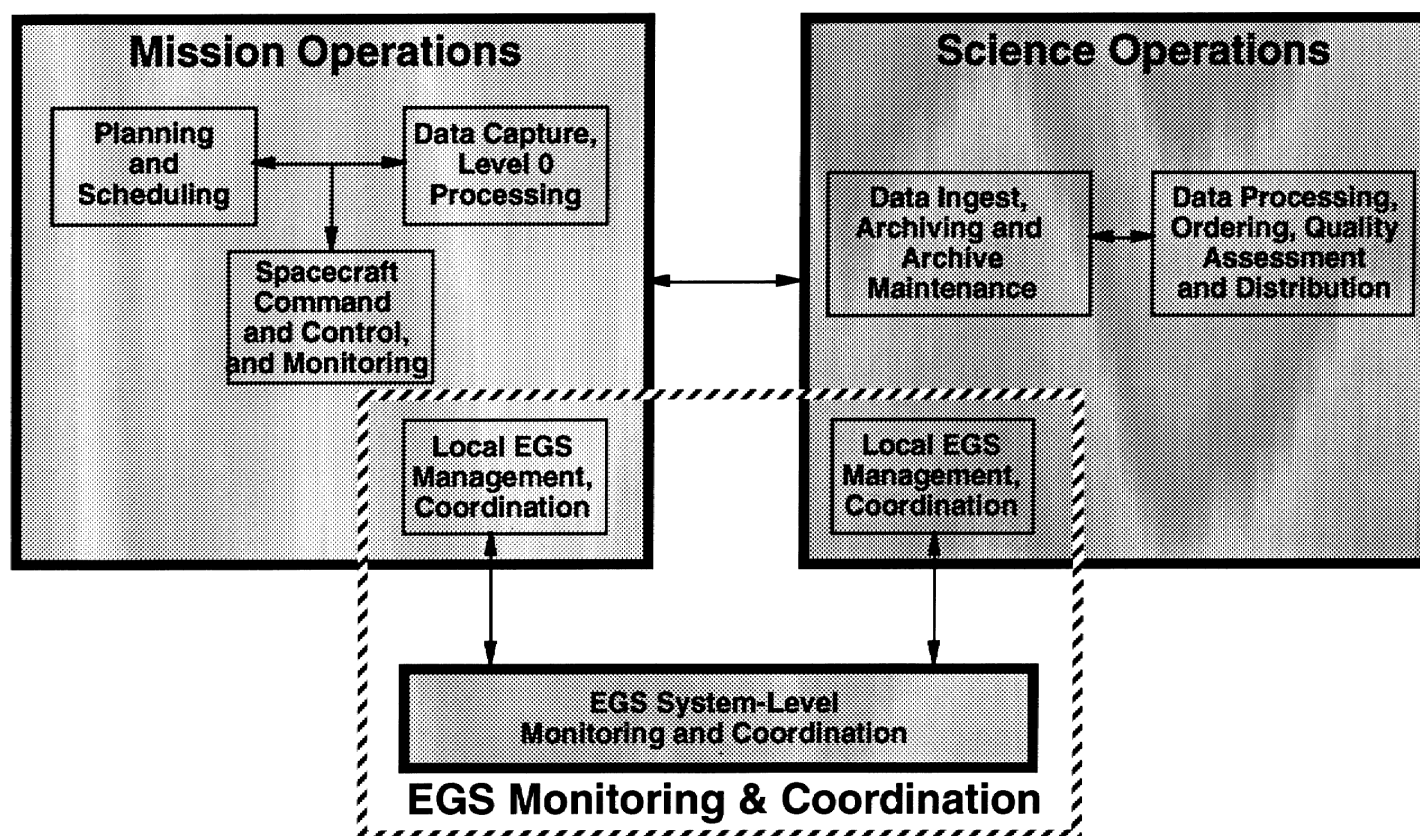
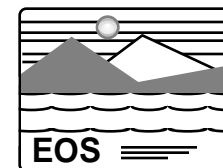


## GROUND SYSTEM OVERVIEW

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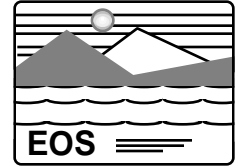


# EGS Operations Concept





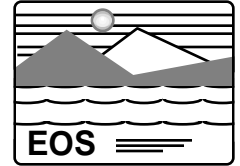
# Mission and Science Operations Concept Summary



- **Mission Operations**
  - **Data Capture and Level 0 Processing**
    - » Capture and record EOS AM-1 spacecraft data
    - » Process and deliver real-time housekeeping data in real time
    - » Generate and deliver Level 0 data sets
    - » Establish backup Level 0 data archive
  - **Planning and Scheduling**
    - » Generate long-term plans, baseline activity profiles and detailed activity schedules for EOS AM-1 spacecraft and instruments
  - **Command Management and AM-1 Spacecraft Monitoring**
    - » Perform command and control of EOS AM-1 spacecraft and instruments
    - » Monitor telemetry to ensure AM-1 spacecraft and instrument health and safety
    - » Determine and maintain the spacecraft orbit and onboard timing



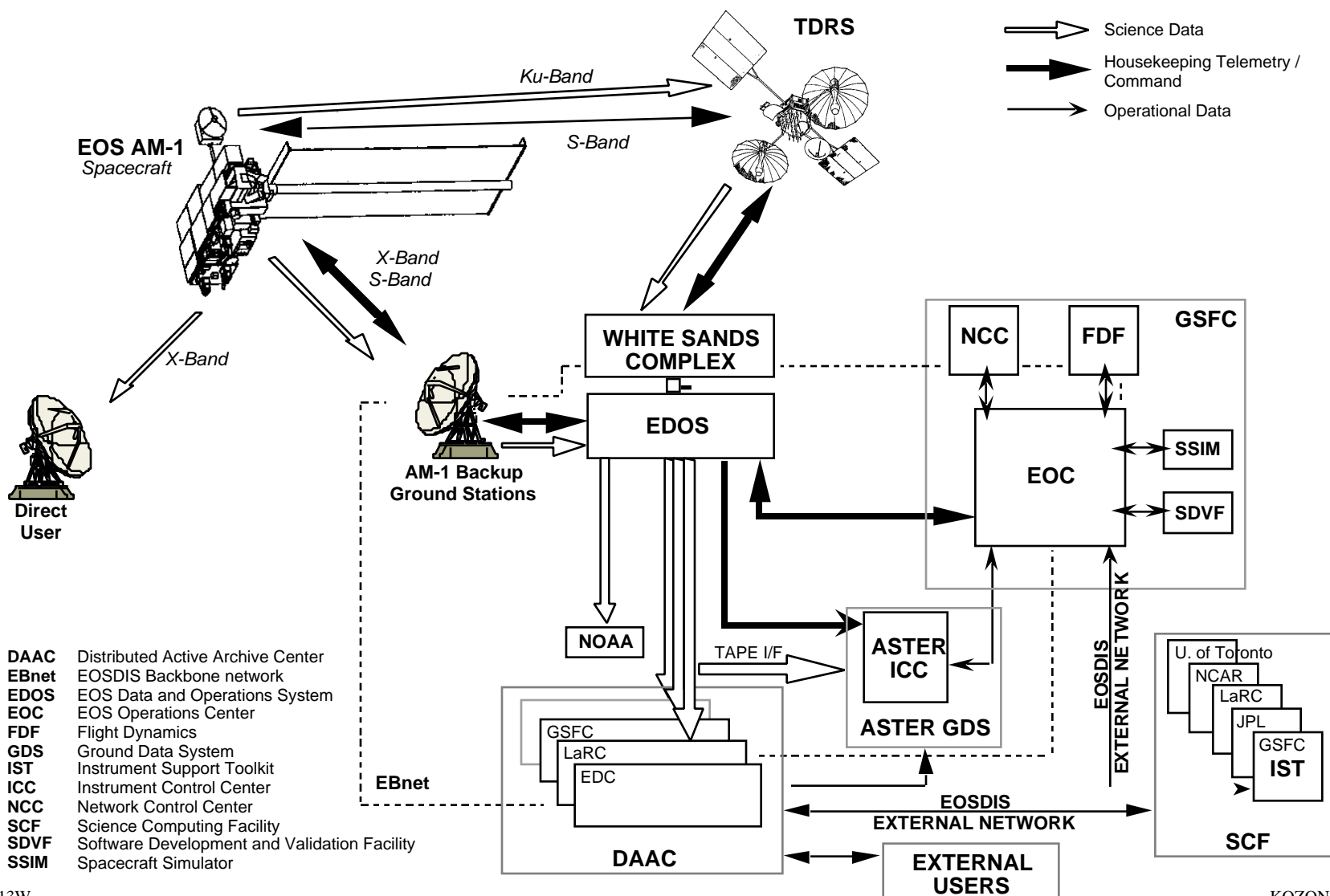
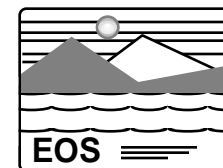
# Mission and Science Operations Concept Summary (Cont'd)

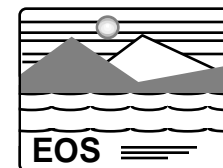


- **Science Data Operations**
  - **Data Ingest, Processing, Ordering, Quality Assessment, and Distribution and Archive**
    - » **Generate and archive standard data products from EOS**
    - » **AM-1 Level 0 data**
    - » **Perform science data quality assessment**
    - » **Accept user orders for data products**
    - » **Distribute data products to users**
    - » **Monitor and maintain the integrity of archived data**



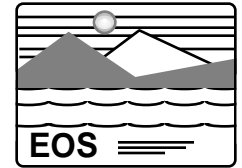
# EOSDIS Ground System Context



10034213W



# ESDIS Project System Status



- **EOS component status:**
  - **EDOS: Version 2 delivered November 1996; currently testing with EOC and Valley Forge**
  - **Networks: Incremental circuit activation in progress; preparing for ECT1**
  - **ETS: Release 1.0 to be delivered December 1996**
  - **FOS: Release A to be delivered December 1996**
  - **SDPS/CSMS: Replan in progress**